## Amendments to the Claims

This claim listing replaces all prior versions and listings of claims in the application.

1-14 (Canceled)

 (Currently Amended) A controlled structure copolymer comprising at least two parts A and B, of which have different compositions,

wherein part A comprising comprises ionic or potentially ionic units, and further wherein:

part A is [[an]] amphoteric or zwitterionic part, comprising and comprises:

cationic or potentially cationic units A<sub>C</sub>,

anionic or potentially anionic units AA, and

optionally, hydrophilic and/or hydrophobic neutral units An.

and/or

zwitterionic units Az,

optionally, cationic or potentially cationic units Ac.

optionally, anionic or potentially anionic units AA, and

optionally, hydrophilic and/or hydrophobic neutral units  $A_{N}$ , and

part B is not [[an]] amphoteric or zwitterionic [[part]].

- 16. (Currently Amended) The copolymer as elaimed in of claim 15, wherein part B is a hydrophilic or hydrophobic neutral part comprising hydrophilic or hydrophobic neutral units.
- (Currently Amended) The copolymer as elaimed in of claim 15, wherein said copolymer has having one of the following structures;

<u>a</u> block copolymer[[,]] comprising at least two blocks, <u>wherein</u> part A <u>corresponding</u> <u>corresponds</u> to one block <u>of the block copolymer</u>, <u>and part B <del>corresponding</del> <u>corresponds</u> to</u>

another <u>block of the block copolymer</u>, <u>and further wherein</u> part A optionally <u>having has</u> a composition gradient,

a comb or grafted copolymer[[,]] comprising a backbone and side chains, wherein with part A corresponding corresponds to the backbone, and part B corresponding corresponds to side chains, or wherein with part B corresponding corresponds to the backbone and part A corresponding corresponds to side chains, or

<u>a</u> star or microgel copolymer[[,]] comprising a polymeric or nonpolymeric core[[,]] and peripheral polymeric chains, <u>wherein</u> one <u>part of parts A and B</u> <u>corresponding corresponds</u> to the core, the other <u>of parts A and B</u> <u>corresponding corresponds</u> to the peripheral chains.

- 18. (Currently Amended) The copolymer as claimed in of claim 15, having comprising a (block A)-(block B) diblock copolymer, a (block A)-(block B)-(block A) triblock copolymer or a (block B)-(block A)-(block B) triblock copolymer.
- 19. (Currently Amended) The copolymer as claimed in claim 15, wherein said copolymer is obtained by means of a controlled radical polymerization process.
- 20. (Currently Amended) The copolymer as elaimed in of claim 15, wherein part B is a neutral part, and in that part A has a positive, negative or neutral average charge Q.
- 21. (Currently Amended) The copolymer as claimed in of claim 15, wherein said copolymer is being in the form of a powder, in the form of a dispersion in a liquid, or in the form of a solution in a solvent.
- 22. (Currently Amended) The copolymer as elaimed in of claim 15, wherein the units Ac are derived from [[the]] monomers comprising [[are]]:

 $N,N-(dialkylamino-\omega-alkyl) amides of \alpha,\beta-monoethylenically unsaturated carboxylic acids, \\ \alpha,\beta-monoethylenically unsaturated amino esters,$ 

vinylpyridines,

vinylamine,

vinylimidazolines,

monomers that are precursors of amine functions which give rise to primary amine functions by simple acid or base hydrolysis,

acryloyl- or acryloyloxyammonium monomers,

N,N-dialkyldiallylamine monomers, [[or]]

polyquaternary monomers, or

#### mixtures thereof.

23. (Currently Amended) The copolymer as claimed in  $\underline{of}$  claim 22, wherein the units  $A_C$  are derived from [[the]] monomers comprising: [[are]]

 $N,N-dimethylaminomethylacrylamide,\ N,N-dimethylaminomethymethacrylamide,\ 2-\\ (N,N-dimethylamino)ethylacrylamide,\ ,2-(N,N-dimethylamino)ethylmethacrylamide,\ 3-(N,N-dimethylamino)propyl methacrylamide,\ 4-(N,N-dimethylamino)putylacrylamide,\ 4-(N,N-dimethylamino)butylmethacrylamide,\ 2-(dimethylamino)ethyl methacrylate (DMAM),\ 3-(dimethylamino)propyl methacrylate,\ 2-(tert-butylamino)ethyl methacrylate,\ 2-\\ (dimethylamino)propyl methacrylate,\ 2-\\ (dimethylamino)ethyl methacr$ 

N-vinylformamide, N-vinylacetamide,

trimethylammonium propyl methacrylate chloride, trimethylammonium ethylacrylamide chloride, trimethylammonium ethylacrylamide bromide, trimethylammonium ethylmethacrylamide chloride, trimethylammonium ethylmethacrylamide bromide, trimethylammonium butylacrylamide methyl sulfate, trimethylammonium butylacrylamide

(dipentylamino)ethyl methacrylate, 2(diethylamino)ethyl methacrylate,

methyl sulfate, trimethylammonium propylmethacrylamide methyl sulfate (MES), (3-methacrylamidopropyl)trimethylammonium chloride (MAPTAC), (3-acrylamidopropyl)trimethylammonium chloride (MAPTAC), (3-acrylamidopropyl)trimeth

ammonium chloride (APTAC), methacryloyloxyethyltrimethylammonium chloride,

 $methacryloyloxyethyltrimethylammonium\ methyl\ sulfate,\ acryloyloxyethyltrimethylammonium\ chloride.$ 

1-ethyl-2-vinylpyridinium bromide, 1-ethyl-2-vinylpyridinium chloride, 1-ethyl-2-vinylpyridinium methyl sulfate, 1-ethyl-4-vinylpyridinium bromide, 1-ethyl-4-vinylpyridinium chloride, 1-ethyl-4-vinylpyridinium methyl sulfate;

N,N-dimethyldiallylammonium chloride (DADMAC);

dimethylaminopropylmethacrylamide chloride, or N-(3-chloro-2-

hydroxypropyl)trimethylammonium (DIQUAT),

# trimethylammonium ethyl acrylate methyl sulfate (ADAMquat), or

## mixtures thereof.

24. (Currently Amended) The copolymer as claimed in of claim 15, wherein the units

A<sub>A</sub> are derived from [[the]] monomers comprising: [[are]]

 $\alpha,\beta$ -ethylenically unsaturated carboxylic acids or [[the]] corresponding anhydrides, or their water-soluble salts[[,]]:

precursors of carboxylate functions, which, after polymerization, give-rise to form carboxylic functions by hydrolysis[[,]]:

monomers having at least one sulfate or sulfonate function,  $\underline{\mathbf{or}}$  their water-soluble salts[[,]];

monomers having at least one phosphonate or phosphate function, the esters of ethylenically unsaturated phosphates, or their water-soluble salts; or

## mixtures thereof.

25. (Currently Amended) The copolymer as elaimed in of claim 24, wherein the units AA are comprise acrylic, methacrylic or maleic acids or anhydrides, fumaric acid, itaconic acid, N-methacroylalanine, N-acryloylglycine, tert-butyl acrylate, 2-sulfooxyethyl methacrylate, vinylbenzene sulfonic acid, allyl sulfonic acid, 2-acrylamido-2-methylpropane sulfonic acid, sulfoethyl acrylate or methacrylate, sulfopropyl acrylate or methacrylate, vinylphosphonic acid, the phosphates derived from hydroxyethyl methacrylate or the phosphates derived from polyoxyalkylene methacrylates.

26. (Currently Amended) The copolymer as elaimed in of claim 15, wherein the units A<sub>N</sub> are derived from [[the]] monomers [[are]] comprising:

vinylaromatic monomers,

vinyl halides, vinylidene halides,

 $C_1\text{-}C_{12}$  alkylesters of  $\alpha,\!\beta\text{-monoethylenically unsaturated acids,}$ 

vinyl esters of saturated carboxylic acids, allyl esters of saturated carboxylic acids,

 $\alpha$ , $\beta$ -monoethylenically unsaturated nitriles eontaining having from 3 to 12 carbon atoms,

α-olefins,

conjugated dienes,

monomers eapable of generating that generate polydimethylsiloxane chains,

hydroxyalkyl esters of α,β-ethylenically unsaturated acids,

α,β-ethylenically unsaturated amides,

 $\alpha.\beta$ -ethylenically unsaturated monomers bearing a water-soluble polyoxyalkylene segment of the polyethylene oxide type,

ATTORNEY DOCKET No. 60838.000510 APPLICATION No. 10/534,196

 $\alpha,\beta$ -ethylenically unsaturated monomers which are precursors of hydrophilic units or segments, which, once polymerized, can be hydrolyzed in order to give rise to to form vinyl alcohol units or polyvinyl alcohol segments,

vinylpyrrolidones, [[or]]

α,β-ethylenically unsaturated monomers of the ureido type, or

#### mixtures thereof.

27. (Currently Amended) The copolymer as elaimed in of claim 26, wherein the units A<sub>N</sub> are comprise:

styrene, alpha-methylstyrene, vinyltoluene,

vinyl chloride, vinylidene chloride,

methyl, ethyl or butyl acrylates and methacrylates, 2-ethylhexyl acrylate,

vinyl or allyl acetates, propionates, versatates, stearates,

acrylonitrile, methacrylonitrile,

ethylene,

butadiene, isoprene, chloroprene,

hydroxyethyl or hydroxypropyl acrylates and methacrylates, glyceryl monomethacrylate, acrylamide, N,N-dimethylmethacrylamide, N-methylolacrylamide,

polyethylene oxide  $\alpha$ -methacrylates or  $\alpha$ , $\omega$ -dimethacrylates,  $\omega$ -behenyl polyoxyethylene methacrylate, and  $\omega$ -tristyrylphenyl polyoxyethylene methacrylate.

vinyl acetate.

vinylpyrrolidones, [[or1]

2-imidazolidinone-ethyl methacrylamide, or

### mixtures thereof.

28. (Currently Amended) The copolymer as elaimed in of claim 15, wherein the units Az are derived from [[the]] monomers [[are]] comprising:

sulfobetaine monomers, phosphobetaine monomers, [[or]] carboxybetaine monomers, or

#### mixtures thereof.

29. (Currently Amended) The copolymer as elaimed in of claim 28, wherein the units Az are comprise:

sulfopropyl dimethylammonium ethyl methacrylate, sulfopropyldimethylammonium propylmethacrylamide, sulfopropyl-2-vinylpyridinium, [[or]]

phosphatoethyl trimethylammonium ethyl methacrylate, or mixtures thereof.

30. (Currently Amended) The copolymer as claimed in of claim 15, wherein part B comprises units derived from hydrophobic neutral monomers which are comprising:

vinylaromatic monomers,

vinyl halides, vinylidene halides,

C<sub>1</sub>-C<sub>12</sub> alkylesters of α,β-monoethylenically unsaturated acids

vinyl esters of saturated carboxylic acids, allyl esters of saturated carboxylic acids,

 $\alpha,\!\beta$  -monoethylenically unsaturated nitriles containing having from 3 to 12 carbon atoms,

α-olefins,

conjugated dienes, [[or]]

monomers capable of generating polydimethylsiloxane chains, or

## mixtures thereof.

31. (Currently Amended) The copolymer as claimed in of claim 30, wherein the units of part B are derived from hydrophobic neutral monomers which are comprising: styrene, alpha-methylstyrene, vinyltoluene,

vinyl chloride, vinylidene chloride,

methyl, ethyl or butyl acrylates and methacrylates, 2-ethylhexyl acrylate,

vinyl or allyl acetates, propionates, versatates, stearates,

acrylonitrile, methacrylonitrile,

ethylene,

butadiene, isoprene, [[or]] chloroprene, or

## mixtures thereof.

- 32. (Currently Amended) The copolymer as elaimed in of claim 17, wherein said copolymer has having a block copolymer structure[[,]] comprising at least two blocks, part A corresponding to another, further wherein part A having has a homopolymer[[,]] structure if it comprises units Az. a random copolymer structure, or a composition gradient copolymer structure.
- 33. (Currently Amended) A detergent composition, fabric care composition, [[a]] or composition for cleansing, treating and/or protecting the skin and/or the hair, comprising a copolymer as defined in claim 15 the copolymer of claim 15.